

Components	Specification																																													
Dimensions	42L tower or 4U rack. Height: 443.5 mm (17.46 in) with foot stands. Width: 173 mm (6.81 in). Depth: 593 mm (23.35 in) including front door and handle of hot-swap power supply																																													
Weight	Maximum configuration: 57.32 lb (26.5 kg)																																													
Processor	Supports one of the following Intel "Kaby Lake" processors:																																													
	<table><tr><td>Xeon E3-1280 v6</td><td>4C/3.9GHz/8MB/72W/DDR4-2400</td></tr><tr><td>Xeon E3-1270 v6</td><td>4C/3.8GHz/8MB/72W/DDR4-2400</td></tr><tr><td>Xeon E3-1240 v6</td><td>4C/3.7GHz/8MB/72W/DDR4-2400</td></tr><tr><td>Xeon E3-1230 v6</td><td>4C/3.5GHz/8MB/72W/DDR4-2400</td></tr><tr><td>Xeon E3-1220 v6</td><td>4C/3GHz/8MB/72W/DDR4-2400</td></tr><tr><td>Core i3-7320</td><td>2C/4.1GHz/4MB/51W/DDR4-2400</td></tr><tr><td>Core i3-7300</td><td>2C/4GHz/4MB/51W/DDR4-2400</td></tr><tr><td>Core i3-7300T</td><td>2C/3.5GHz/4MB/35W/DDR4-2400</td></tr><tr><td>Core i3-7100</td><td>2C/3.9GHz/3MB/51W/DDR4-2400</td></tr><tr><td>Core i3-7100T</td><td>2C/3.4GHz/3MB/35W/DDR4-2400</td></tr><tr><td>Pentium G4620</td><td>2C/3.7GHz/3MB/51W/DDR4-2400</td></tr><tr><td>Pentium G4600</td><td>2C/3.6GHz/3MB/51W/DDR4-2400</td></tr><tr><td>Pentium G4600T</td><td>2C/3GHz/3MB/35W/DDR4-2400</td></tr><tr><td>Pentium G4560</td><td>2C/3.5GHz/3MB/54W/DDR4-2400</td></tr><tr><td>Pentium G4560T</td><td>2C/2.9GHz/3MB/35W/DDR4-2400</td></tr></table>	Xeon E3-1280 v6	4C/3.9GHz/8MB/72W/DDR4-2400	Xeon E3-1270 v6	4C/3.8GHz/8MB/72W/DDR4-2400	Xeon E3-1240 v6	4C/3.7GHz/8MB/72W/DDR4-2400	Xeon E3-1230 v6	4C/3.5GHz/8MB/72W/DDR4-2400	Xeon E3-1220 v6	4C/3GHz/8MB/72W/DDR4-2400	Core i3-7320	2C/4.1GHz/4MB/51W/DDR4-2400	Core i3-7300	2C/4GHz/4MB/51W/DDR4-2400	Core i3-7300T	2C/3.5GHz/4MB/35W/DDR4-2400	Core i3-7100	2C/3.9GHz/3MB/51W/DDR4-2400	Core i3-7100T	2C/3.4GHz/3MB/35W/DDR4-2400	Pentium G4620	2C/3.7GHz/3MB/51W/DDR4-2400	Pentium G4600	2C/3.6GHz/3MB/51W/DDR4-2400	Pentium G4600T	2C/3GHz/3MB/35W/DDR4-2400	Pentium G4560	2C/3.5GHz/3MB/54W/DDR4-2400	Pentium G4560T	2C/2.9GHz/3MB/35W/DDR4-2400															
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Chipset	Intel C232 Platform Controller Hub (PCH)																																													
Memory DIMMs	4 DIMM sockets with 2-channels. UDIMM. DDR4-2133 or DDR4-2400																																													
Memory capacity	Up to 64GB (16GB x 4)																																													
Memory protection	ECC																																													
RAID controller	<table><tr><th>RAID controller</th><th>Drive type</th><th>RAID support</th></tr><tr><td>Onboard RAID121i</td><td>6Gbs SATA</td><td>0/1/5/10</td></tr><tr><td>RAID520i PCIe</td><td>12Gbs SAS/SATA</td><td>0/1/10, 5 with optional key</td></tr><tr><td>RAID720i PCIe</td><td>12Gbs SAS/SATA</td><td>0/1/10/5/50, 6/60 with optional cache</td></tr></table>	RAID controller	Drive type	RAID support	Onboard RAID121i	6Gbs SATA	0/1/5/10	RAID520i PCIe	12Gbs SAS/SATA	0/1/10, 5 with optional key	RAID720i PCIe	12Gbs SAS/SATA	0/1/10/5/50, 6/60 with optional cache																																	
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	Optional cache for RAID720i: 1GB memory, or 1GB, 2GB, 4GB flash with super capacitor.																																													
Disk drive bays	Supports one of the following configurations:																																													
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4x3.5" + 8x2.5" SATA/SAS hot-swap	520i or 720i	up to 2	up to 1	-																																										
	4 x 3.5" HS can be upgraded to 8 x 3.5" HS or 4 x 3.5" + 8 x 2.5" HS, 8 x 2.5" HS can be upgraded to 16 x 2.5" HS or 4 x 3.5" + 8 x 2.5" HS, redundant PSU models only, RAID520i/RAID720i and expansion kit is needed, more that 8 disk bays needs expander card. Also supports one M.2 SATA SSD, 32GB or 128GB.																																													
Supporting disk drives	3.5" SATA HDD, 7.2K 6Gbs, HS or NHS	1TB/2TB/3TB/4TB/6TB/8TB/10TB																																												
	3.5" SAS HDD, 7.2K 12Gbs, HS	1TB/2TB/3TB/4TB/6TB/8TB/10TB																																												
	2.5" SAS HDD, 10K 12Gbs, HS, 2.5" or 3.5" bay	300GB/600GB/900GB/1.2TB/1.8TB																																												
	2.5" SAS HDD, 15K 12Gbs, HS, 2.5" or 3.5" bay	300GB/600GB																																												
	2.5" SATA SSD, 6Gbs, HS, 2.5" or 3.5" bay	120GB/240GB/480GB/800GB/960GB																																												
	2.5" SATA HDD, 7.2K 6Gbs, HS	1TB/2TB																																												
	M.2 SATA SSD	32GB/128GB																																												

Components	Specification
Maximum internal storage	Up to 64TB with 8TB 3.5" SAS or SATA HDDs, 8 x 3.5" HS bay
Optical drive	Two 5.25" bays. Up to 2 optical drives. DVD-ROM or DVD±RW. Half-height. 2nd optical drive will be disable if M.2 SATA SSD is used
Tape drive	Supports one tape drive in 5.25" bay. RDX or LTO. LTO Tape drive needs RAID520i
Network interfaces	Two integrated Gigabit Ethernet 1000BASE-T ports (RJ-45) with Intel i210. One dedicate management port with Realtek RTL8211E
Systems management	UEFI. Onboard Aspeed AST2400 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC). Control Panel LEDs shows the status of power, disk drives, network, system. On rear system ID. Supports EasyStartup, Power Planner, Lenovo ThinkServer Diagnostics Standalone, ToolsCenter Suite CLI inventory module on ThinkServer, Lenovo xClarity Administrator
Security features	Power-on and administrator password. Optional TPM, TCG 1.2 or 2.0 compliant.
Operating systems	Microsoft Windows Server 2016/2012 R2. Red Hat Enterprise Linux 6.8. VMware vSphere (ESXi) 6.0U2/6.5
Base warranty	1 or 3-year limited onsite service with 9x5/NBD.
Power supply	Supports one of the following, depending on models: <ul style="list-style-type: none"> • One fixed 300 watts, universal, 80 PLUS Bronze qualified. • Up to two redundant 450 watts, two maximum, rear access, hot-swap, 80 PLUS Gold qualified, universal, redundant with two power supplies
Graphics	Integrated in onboard Aspeed AST2400 graphics/management processor. Optional NVIDIA Quadro K420
Front ports	Two USB 3.0 (blue)
Rear ports	One VGA, four USB 3.0, one RJ-45 (dedicated mgmt), two ethernet, one serial (9-pin). Add-on parallel or serial ports via optional PCIe adapters
Noise emissions	Operating: < 43.6 dB(A). Idle: < 33 dB(A) (Maximum configuration)
Environmental specification	All models supports ASHARE B. Models with the following configuration supports ASHARE A3: Xeon E3-1230 v5/8GBx2/DVD±RW/1TB SATAx4/RAID520i/450Wx2/TPM
GREENGUARD certified, RoHS-compliant, Energy Star Server 2.1 qualified on redundant PSU models	

